WHAT IS CLAIMED IS:

1.   A switch that selectively switches from one
terminal to another among a plurality of terminals to
which a computer is connected, and that can be remotely
operated by a remote-control computer connected to a
predetermined network,
        the switch comprising:
        an information acquiring unit that acquires
cursor location information from the remote-control
computer;
        an image extracting unit that extracts a cursor
peripheral image from an image storing unit that stores
an image obtained from the computer, based on the
cursor location information acquired by the information
acquiring unit; and
        a cursor image transmitting unit that transmits
the cursor peripheral image, extracted by the image
extracting unit, to the remote-control computer.

2.   The switch as claimed in claim 1, wherein
the image extracting unit detects an image change from
a difference between a first image obtained from the
computer and a second image obtained after the first
image, and extracts a predetermined region that
includes the changed portion of the second image with
respect to the first image.

3.   The switch as claimed in claim 1, further
comprising an image transmitting unit that transmits a
general image to the remote-control computer,
        wherein, when acquiring the cursor location
information from the remote-control computer, the image
transmitting unit stops transmitting the general image
to the remote-control computer, and, after the cursor
peripheral image is transmitted by the cursor image
transmitting unit, the image transmitting unit resumes

transmitting the general image to the remote-control
computer.

4.   The switch as claimed in claim 1, further
comprising an image processing unit that performs image
processing on a general image to be transmitted to the
remote-control computer,
     wherein, when acquiring the cursor location
information from the remote-control computer, the image
processing unit stops performing the image processing
on the general image, and, after the cursor peripheral
image is transmitted by the cursor image transmitting
unit, the image processing unit resumes the image
processing on the general image.

5.   The switch as claimed in claim 3, wherein
the image transmitting unit detects an image change
from a difference between a first image obtained from
the computer and a second image obtained after the
first image, and transmits a predetermined region that
includes the changed portion of the second image with
respect to the first image, to the remote-control
computer.

6.   The switch as claimed in claim 1, wherein
the image extracting unit extracts the cursor
peripheral image at predetermined intervals.

7.   The switch as claimed in claim 6, wherein
the predetermined intervals are changed in accordance
with a preset value transmitted from the remote-control
computer.

8.   The switch as claimed in claim 6, wherein
the predetermined intervals are changed in accordance
with the congestion level of the network.

9.   The switch as claimed in claim 1, further comprising an image compressing unit that compresses an image to be transmitted to the remote-control computer.

5   10.   The switch as claimed in claim 9, wherein the image compressing unit changes a compression technique or a compression ratio in accordance with the congestion level of the network.

10   11.   An image transmission apparatus that transmits an image to an information processing apparatus connected to a predetermined network,
    the image transmission apparatus comprising:
    an information acquiring unit that acquires
15 cursor location information from the information processing apparatus;
    an image extracting unit that extracts a cursor peripheral image from an image storing unit that stores the image to be transmitted to the information
20 processing apparatus, based on the cursor location information acquired by the information acquiring unit; and
    a cursor image transmitting unit that transmits the cursor peripheral image, extracted by the image
25 extracting unit, to the information processing apparatus.

    12.   The image transmission apparatus as claimed in claim 11, wherein the image extracting unit detects
30 an image change from a difference between a first image to be transmitted to the information processing apparatus and a second image to be transmitted after the first image, and extracts a predetermined region that includes the changed portion of the second image
35 with respect to the first image.

    13.   The image transmission apparatus as claimed

in claim 11, further comprising an image transmitting unit that transmits a general image to the information processing apparatus,

wherein, when the cursor location information is acquired from the information processing apparatus, the image transmitting unit stops transmitting the general image to the information processing apparatus, and, after the cursor peripheral image is transmitted by the cursor image transmitting unit, the image transmitting unit resumes transmitting the general image to the information processing apparatus.

14. A method of transmitting an image to an information processing apparatus connected to a predetermined network, comprising the steps of:

acquiring cursor location information from the information processing apparatus;

extracting a cursor peripheral image from an image storing unit that stores the image to be transmitted to the information processing apparatus, based on the cursor location information acquired in the information acquiring step; and

transmitting the cursor peripheral image, extracted in the image extracting step, to the information processing apparatus.

15. The method as claimed in claim 14, wherein the image extracting step includes detecting an image change from a difference between a first image to be transmitted to the information processing apparatus and a second image to be transmitted after the first image, and extracting a predetermined region that includes the changed portion of the second image with respect to the first image.

16. The method as claimed in claim 14, further comprising the step of transmitting a general image to

the information processing apparatus,

wherein the image transmitting step includes stopping transmitting the general image to the information processing apparatus when the cursor location information is acquired from the information processing apparatus, and resuming transmitting the general image to the information processing apparatus after the cursor peripheral image is transmitted through the cursor image transmitting step.

17. The method as claimed in claim 14, further comprising the step of performing image processing on a general image to be transmitted to the information processing apparatus,

wherein the image processing step includes stopping performing the image processing on the general image when the cursor location information is acquired from the information processing apparatus, and resuming the image processing on the general image after the cursor peripheral image is transmitted through the cursor image transmitting step.

18. The method as claimed in claim 16, wherein the image transmitting step includes detecting an image change from a difference between a first image obtained from a computer and a second image acquired after the first image, and transmitting a predetermined region that includes the changed portion of the second image with respect to the first image, to the information processing apparatus.

19. The method as claimed in claim 14, wherein the image extracting step includes extracting the cursor peripheral image at predetermined intervals.

20. The method as claimed in claim 19, wherein the predetermined intervals are changed in accordance

with a preset value transmitted from the information
processing apparatus.

21.   The method as claimed in claim 19, wherein
the predetermined intervals are changed in accordance
with the congestion level of the network.

22.   The method as claimed in claim 14, further
comprising the step of compressing an image to be
transmitted to the information processing apparatus.

23.   The method as claimed in claim 22, wherein
the image compressing step includes changing a
compression technique or a compression ratio in
accordance with the congestion level of the network.

24.   A method of displaying an image transmitted
from an information processing apparatus connected to a
predetermined network, comprising the steps of:
        acquiring cursor location information;
        transmitting the cursor location information to
the information processing apparatus; and
        combining a first image obtained from the
information processing apparatus with a second image in
accordance with the cursor location information
acquired from the information processing apparatus that
have received the cursor location information in the
previous step.

25.   An image transmitting program product for
operating a computer that transmits an image to an
information processing apparatus connected to a
predetermined network,
        the image transmitting program product causing
the computer to function as:
        an information acquiring unit that acquires
cursor location information from the information

processing apparatus;

an image extracting unit that extracts a cursor peripheral image from an image storing unit that stores the image to be transmitted to the information

5   processing apparatus, based on the cursor location information acquired by the information acquiring unit; and

a cursor image transmitting unit that transmits the cursor peripheral image, extracted by the image

10 extracting unit, to the information processing apparatus.

26.   The image transmitting program product as claimed in claim 25, wherein the image extracting unit

15 detects an image change from a difference between a first image to be transmitted to the information processing apparatus and a second image to be transmitted after the first image, and extracts a predetermined region that includes the changed portion

20 of the second image with respect to the first image.

27.   The image transmitting program product as claimed in claim 25, further causing the computer to function as an image transmitting unit that transmits a

25 general image to the information processing apparatus, wherein, when the cursor location information is acquired from the information processing apparatus, the image transmitting unit stops transmitting the general image to the information processing apparatus, and,

30 after the cursor peripheral image is transmitted by the cursor image transmitting unit, the image transmitting unit resumes transmitting the general image to the information processing apparatus.

35 28.   The image transmitting program product as claimed in claim 25, further causing the computer to function as an image processing unit that performs

image processing on a general image to be transmitted
to the image processing apparatus,

    wherein, when the cursor location information is
acquired from the information processing apparatus, the
image processing unit stops performing the image
processing on the general image, and, after the cursor
peripheral image is transmitted by the cursor image
transmitting unit, the image transmitting unit resumes
the image processing on the general image.

    29.   The image transmitting program product as
claimed in claim 27, wherein the image transmitting
unit detects an image change from a difference between
a first image to be transmitted to the information
processing apparatus and a second image to be
transmitted after the first image, and transmits a
predetermined region that includes the changed portion
of the second image with respect to the first image, to
the information processing apparatus.

    30.   The image transmitting program product as
claimed in claim 25, wherein the image extracting unit
extracts the cursor peripheral image at predetermined
intervals.

    31.   The image transmitting program product as
claimed in claim 30, wherein the predetermined
intervals are changed in accordance with a preset value
transmitted from the information processing apparatus.

    32.   The image transmitting program product as
claimed in claim 30, wherein the predetermined
intervals are changed in accordance with the congestion
level of the network.

    33.   The image transmitting program product as
claimed in claim 25, further causing the computer to

function as an image compressing unit that compresses
an image to be transmitted to the information
processing apparatus.

5   34.   The image transmitting program product as
claimed in claim 33, wherein the image compressing unit
changes a compression technique or a compression ratio
in accordance with the congestion level of the network.

10   35.   An image displaying program product for
operating a computer to display an image transmitted
from an information processing apparatus connected to a
predetermined network,
       the image displaying program product causing the
15 computer to function as:
       an information acquiring unit that acquires
cursor location information;
       an information transmitting unit that transmits
the cursor location information, acquired by the
20 information acquiring unit, to the information
processing apparatus; and
       an image combining unit that combines a first
image obtained from the information processing
apparatus with a second image in accordance with the
25 cursor location information transmitted from the
information transmitting unit that have received the
cursor location information from the information
processing apparatus, the image combining unit then
outputting a composite image to a display unit.
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